

Element Materials Technology - Fort Wayne 328 Ley Rd. Fort Wayne, IN 46825 TEL: (260) 424-1622 FAX: (260) 424-9124 Website: www.element.com

September 14, 2021

Henry Padilla East Chicago Sanitary District 5201 Indianapolis Blvd East Chicago, IN 46312

TEL: (219) 391-8466 FAX: (219) 391-8254

RE: S-901

Dear Henry Padilla:

Element Materials Technology - Fort Wayne received 2 sample(s) on 8/18/2021 for the analyses presented in the following report.

In accordance with your instructions, a laboratory of Element Materials Technology Fort Wayne LLC either conducted or subcontracted these analyses. Subcontracted analyses will be identified in an accompanying case narrative and any associated report(s) will be attached in full. Unless otherwise noted in the case narrative, all analyses were conducted using approved methodologies. Reported results relate only to the items tested.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions regarding these test results, please feel free to call. Sincerely,

Don Ellis II

Project Manager

328 Ley Rd.

Fort Wayne, IN 46825

Donald D Ellis II

Order No.: 21081660



Element Materials Technology - Fort Wayne 328 Ley Rd.

Fort Wayne, IN 46825 TEL: (260) 424-1622 FAX: (260) 424-9124

Website: www.element.com

Case Narrative

WO#: **21081660**Date: **9/14/2021**

CLIENT: East Chicago Sanitary District

Project: S-901

The Available Cyanide testing was subcontracted to Eurofins Pittsburgh PA. Their report is attached in its entirety.



 ${\it Element\ Materials\ Technology\ -\ Fort\ Wayne}$

328 Ley Rd.

Fort Wayne, IN 46825

TEL: (260) 424-1622 FAX: (260) 424-9124 Website: www.element.com **Analytical Report**

(wastewater)

WO#: **21081660**

Date Reported 9/14/2021

Collection Date: 8/17/2021 9:28:00 AM

Matrix: WASTEWATER

CLIENT: East Chicago Sanitary District

Project: S-901

Lab ID: 21081660-001

Client Sample ID S-901 Grab

Sample Location:

Analyses	Result	RL Qu	al Units	DF	PL	Date Analyzed
OIL AND GREASE, TOTAL				E1664		Analyst: SME
Oil & Grease, Total	15.3	2.0	mg/L	1	50.0	8/24/2021 12:16:12 PM
OIL AND GREASE, PETROLEUM	HYDROCARBONS			E1664		Analyst: SME
Oil & Grease, Petroleum	13.2	2.0	mg/L	1	100	8/26/2021 4:36:47 PM
SV COMPOUNDS FOR CATEGOR	ICAL RQTS			E625		Analyst: SDF
Bis(2-ethylhexyl)phthalate	< 100	100	μg/L	10	160	9/1/2021 3:48:00 PM
Carbazole	< 100	100	μg/L	10		9/1/2021 3:48:00 PM
Fluoranthene	< 100	100	μg/L	10	54	9/1/2021 3:48:00 PM
n-Decane	< 100	100	μg/L	10		9/1/2021 3:48:00 PM
n-Octadecane	< 100	100	μg/L	10		9/1/2021 3:48:00 PM
SEMI-VOLATILES IN WW				E625		Analyst: SDF
Phenanthrene	< 100	100	μg/L	10		9/1/2021 3:48:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level

M Manual Integration used to determine area response

PL Permit Limit

RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

S Spike Recovery outside accepted recovery limits



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Fort Wayne, IN 46825

TEL: (260) 424-1622 FAX: (260) 424-9124 Website: www.element.com **Analytical Report**

(wastewater)

WO#: **21081660**

Date Reported

Collection Date: 8/17/2021 9:28:00 AM

Matrix: WASTEWATER

9/14/2021

CLIENT: East Chicago Sanitary District

Project: S-901

Lab ID: 21081660-002

Client Sample ID S-901 Composite

Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
FLUORIDE					E300.0		Analyst: HNN
Fluoride	3.9	1.0	*	mg/L	10	2.9	8/20/2021 4:40:58 PM
CHEMICAL OXYGEN DEMAND					M5220 D		Analyst: NME
Chemical Oxygen Demand	922	30.0		mg/L	3		8/25/2021 10:30:00 AM
AMMONIA AS N					E350.1		Analyst: AJC
Nitrogen, Ammonia (As N)	78.8	1.00	*	mg/L	10	77.0	8/19/2021 2:07:00 PM
PHENOLICS IN WASTEWATER					E420.1		Analyst: ARA
Phenolics, Total Recoverable	< 0.125	0.125		mg/L	5	0.700	8/30/2021 9:31:10 AM
TOTAL PHOSPHORUS				ľ	//4500-P F	:	Analyst: HNN
Total Phosphorus	0.715	0.100		mg/L	1	5.50	8/30/2021 1:48:56 PM
TOTAL SUSPENDED SOLIDS					M2540 D		Analyst: ARA
Suspended Solids (Residue, Non-Filterable)	162	40		mg/L	1		8/20/2021 4:55:00 PM
MERCURY					E245.1		Analyst: FJR
Mercury	0.00019	0.00010		mg/L	1		8/23/2021 12:39:12 PM
METALS IN WATER BY ICP-MS, TO	TAL				E200.8		Analyst: FJR
Arsenic	0.00829	0.00020		mg/L	1	0.500	8/20/2021
Chromium	0.0141	0.00040		mg/L	1	0.282	8/20/2021
Cobalt	0.00357	0.00010		mg/L	1		8/20/2021
Copper	0.0179	0.00020		mg/L	1	0.301	8/20/2021

Qualifiers: * Value exceeds Maximum Contaminant Level

M Manual Integration used to determine area response

PL Permit Limit

RL Reporting Detection Limit

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

S Spike Recovery outside accepted recovery limits



 ${\it Element\ Materials\ Technology\ -\ Fort\ Wayne}$

328 Ley Rd.

Fort Wayne, IN 46825

TEL: (260) 424-1622 FAX: (260) 424-9124 Website: www.element.com **Analytical Report**

(wastewater)

21081660

Date Reported 9

WO#:

Collection Date: 8/17/2021 9:28:00 AM

Matrix: WASTEWATER

9/14/2021

CLIENT: East Chicago Sanitary District

Project: S-901

Lab ID: 21081660-002

Client Sample ID S-901 Composite

Sample Location:

Analyses	Result	RL Qu	al Units	DF	PL	Date Analyzed
METALS IN WATER BY IC	CP-MS, TOTAL		E	200.8		Analyst: FJR
Lead	0.00166	0.00020	mg/L	1	0.224	8/20/2021
Molybdenum	0.0878	0.00020	mg/L	1	0.200	8/20/2021
Nickel	0.0328	0.00100	mg/L	1	0.390	8/20/2021
Tin	< 0.00500	0.00500	mg/L	1		8/20/2021
Zinc	0.276	0.00400	mg/L	10	1.48	8/25/2021 12:40:23 PM
Zinc	0.311	0.00400	mg/L	10	1.48	8/30/2021 10:49:47 AM

PL Permit Limit

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

S Spike Recovery outside accepted recovery limits



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh, PA 15238 Tel: (412)963-7058

Laboratory Job ID: 180-125935-1

Client Project/Site: Available Cyanide 21081660

For:

Element Materials Technology 328 Ley Rd Suite100 Fort Wayne, Indiana 46825

Attn: Kris Kwasny

Ay th_

Authorized for release by: 8/26/2021 12:56:51 PM

Andy Johnson, Manager of Project Management (615)301-5045

Andy.Johnson@Eurofinset.com

·····LINKS ······

Review your project results through

Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

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Case Narrative

Client: Element Materials Technology

Project/Site: Available Cyanide 21081660

Job ID: 180-125935-1

Job ID: 180-125935-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative 180-125935-1

Comments

No additional comments.

Receipt

The sample was received on 8/19/2021 9:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Definitions/Glossary

Client: Element Materials Technology Job ID: 180-125935-1

Project/Site: Available Cyanide 21081660

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference) Dil Fac **Dilution Factor** Detection Limit (DoD/DOE) DL DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DLC Decision Level Concentration (Radiochemistry) EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

8/26/2021

Client: Element Materials Technology

Project/Site: Available Cyanide 21081660

Job ID: 180-125935-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

		Expiration Da
Dept. of Defense ELAP	1.01	11-30-22
State	PA00009	06-30-22
State	17-027	02-28-22
State	AZ0780	03-12-22
State	2792	02-02-22
State	PH-0746	07-30-21 *
State	019-006 (PA cert)	01-31-22
State	N/A	02-01-22
NELAP	E87997	06-30-22
State	N/A	01-31-22
NELAP	004559	01-31-22
State	361	03-02-22
NELAP	E-10151	10-31-21
State	KY90088	01-01-22
State	1.01	11-30-22
State	KY90088	12-31-21
NELAP	02055	06-30-22
State	2019012	03-12-22
State	100	06-30-22
State	M-PA009	06-30-22
State	9930	01-31-22
NELAP	042-999-487	12-31-21
State	450	01-31-22
State	0098	01-01-22
State		01-01-22
		01-31-22
		01-10-22
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		12-31-21
		01-31-22
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State A2LA	81MS-L 1.01	01-31-22 11-30-22
	State State State State State State State State State NELAP State NELAP State State NELAP State	State PA00009 State 17-027 State 2792 State 2792 State 019-006 (PA cert) State N/A NELAP E87997 State N/A NELAP 004559 State 361 NELAP E-10151 State KY90088 State 1.01 State KY90088 NELAP 02055 State 2019012 State 100 State 2019012 State 100 State 4019012 State 100 State 2019012 State 100 State 4019012 State 100 State 409009 State 930 NELAP 042-999-487 State 098 State 098 State 0998

 $^{^{\}star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

8/26/2021

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Sample Summary

Client: Element Materials Technology Project/Site: Available Cyanide 21081660 Job ID: 180-125935-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 180-125935-1
 21081660-001A
 Water
 08/17/21 09:28
 08/19/21 09:15

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Method Summary

Client: Element Materials Technology Project/Site: Available Cyanide 21081660 Job ID: 180-125935-1

Method	Method Description	Protocol	Laboratory
OIA - 1677	Available Cyanide by Flow Injection, Lig	EPA	ELLE

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Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Lab Chronicle

Client: Element Materials Technology Job ID: 180-125935-1

Project/Site: Available Cyanide 21081660

Client Sample ID: 21081660-001A Lab Sample ID: 180-125935-1

Date Collected: 08/17/21 09:28 Matrix: Water

Date Received: 08/19/21 09:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	OIA - 1677		1			164448	08/25/21 09:01	P684	ELLE
	Instrumen	nt ID: 19369								

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: ELLE

Batch Type: Analysis

P684 = Ashlynn Cornelius

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Client Sample Results

Client: Element Materials Technology
Project/Site: Available Cyanide 21081660
Job ID: 180-125935-1

Date Collected: 08/17/21 09:28 Matrix: Water Date Received: 08/19/21 09:15

General Chemistry

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Cyanide, Available 0.034 0.0060 0.0050 mg/L 08/25/21 09:01 1

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QC Sample Results

Client: Element Materials Technology Job ID: 180-125935-1

Project/Site: Available Cyanide 21081660

Method: OIA - 1677 - Available Cyanide by Flow Injection, Lig

Lab Sample ID: MB 410-164448/58 **Client Sample ID: Method Blank**

Matrix: Water

Analysis Batch: 164448

MB MB

Analyte Result Qualifier RL **MDL** Unit Analyzed Dil Fac Prepared 08/25/21 08:42 Cyanide, Available ND 0.0060 0.0050 mg/L

Lab Sample ID: MB 410-164448/62 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 164448

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Cyanide, Available 0.0060 0.0050 mg/L 08/25/21 08:51 ND

Lab Sample ID: LCS 410-164448/61

Matrix: Water

Analysis Batch: 164448

Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit %Rec

Cyanide, Available 0.0503 0.0469 mg/L 93 86 - 132

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

QC Association Summary

Client: Element Materials Technology

Project/Site: Available Cyanide 21081660

Job ID: 180-125935-1

General Chemistry

Analysis Batch: 164448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125935-1	21081660-001A	Total/NA	Water	OIA - 1677	
MB 410-164448/58	Method Blank	Total/NA	Water	OIA - 1677	
MB 410-164448/62	Method Blank	Total/NA	Water	OIA - 1677	
LCS 410-164448/61	Lab Control Sample	Total/NA	Water	OIA - 1677	

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CYAN_AVAIL (OIA-1677-09)

CHAIN OF CUSTODY RECORD

Omega COCID 137439

OF:

PAGE:

ADDRESS

Element Materials Technology - Fort

328 Ley Rd.

528 Ley Ra. Fort Wayne, IN 46825

TEL: (260) 424-1622 FAX: (260) 424-9124

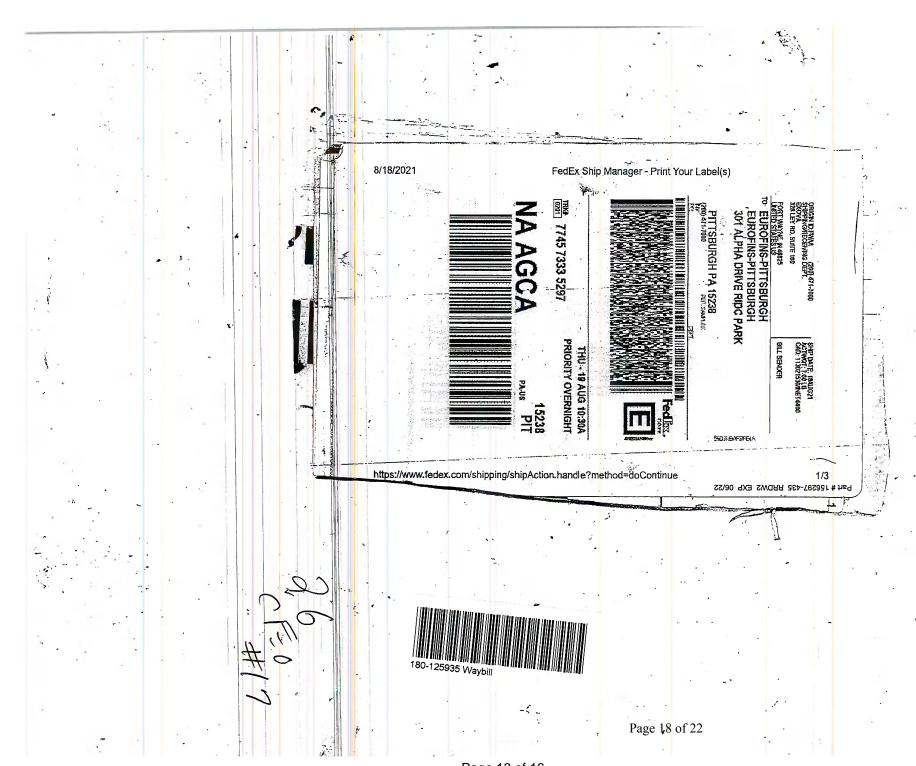
Website: www.element.com

SUB CONTRATOR: TEST_AMERICA SPECIAL INSTRUCTIONS / COMMENTS: COMPANY: Test America RUSH - 3 Day TAT ADDRESS: Sample Receiving CITY, STATE, ZIP: Nashville, TN 37204 FAX: (615) 726-3404 EMAIL: (800) 765-0980 # PIFW 00013 ACCOUNT #: NUMBER OF CONTAINERS COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description ITEM # SAMPLE ID CLIENT SAMPLE ID BOTTLE TYPE MATRIX DATE COLLECTED 21081660-001A S-901 Grab 500HDPENAOH Wastewater 8/17/2021 9:28:00 AM 1

180-125935 Chain of Custody

7745 7333 5297

Relinquished By	0.1X.1X.	AL Time	Received By: OW	alon Date:	J-19-21	REPORT TRANSMITTAL DESIRED:
Relinquished By:	Date:	Time:	Received By:	DAM Mile:	Time: 9(1)	HARDCOPY (extra cost) FAX EMAIL ONLINE
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY
TAT: S	Standard [RUSH	Next BD	2nd BD [3	3rd BD	Temp of samples°C Attempt to Cool?
			Note: RUSH rec	uests will incur surcharges!		Page 17 of 22



Page 13 of 16 8/26/2021

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Chain of Custody Record

🎎 eurofins

Environment Testing America

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Pittsburgh, PA 15238 Phone: 412-963-7058 Fax: 412-963-2468	(nain (or Cus	tody r	(e)	CO	ra							010 21300 0121		. J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			America
Client Information (Sub Contract Lab)	Sampler:			Lab Joh	PM:	n, Ar	ndy					Ca	rrier Trac	king No	(s):			COC No: 180-442219.1	
Client Contact:	Phone:			E-Ma								Sta	te of Ori	gin:			_	Page:	
Shipping/Receiving				And					nset.co			Ind	diana					Page 1 of 1	
Company: Eurofins Lancaster Laboratories Environm					Acc	credit	ations	Require	d (See	note):								Job #: 180-125935-1	
Address. 2425 New Holland Pike,	Due Date Requesti 8/23/2021	ed:			Τ				Α	naly	rsis F	Reque	ested				- 1	Preservation Cod	
City	TAT Requested (da	ays):								T		Ť						A - HCL B - NaOH	M - Hexane N - None
Lancaster State, Zip:																		C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O45
PA, 17601																		E - NaHSO4	Q - Na2SO3
Phone: 717-656-2300(Tel)	PO #:	_																F - MeOH G - Amchlor H - Ascorbic Acid	R - Na2S2O3 S - H2SO4
Email:	WO #:				or No	<u></u>												I - Ice J - DI Water	T - TSP Dodecahydrate U - Acetone V - MCAA
Project Name	Project #:				- Sa												5	K - EDTA	W - pH 4-5
Available Cyanide 21081660	18020044				<u>ک</u>	es or											믣ㅣ	L - EDA	Z - other (specify)
Site:	SSOW#				Sample (Yes	Perform MS/MSD (Yes											of co	Other:	
			Sample	Matrix	밀	IS/M													
			Type	(W=water, S=solid,	Field Filtered	m N											Total Number		
		Sample	(C=comp,	O=waste/oil,	무	arfo	1677									1	펼		
Sample Identification - Client ID (Lab ID)	Sample Date	Time		BT=Tissue, A=Ali	汇	6	9		-	-						- 1	ij	Special in	structions/Note:
		2000	Preserva	ation Code:	X	\triangle		139	6 2	11/23						2	$^{\times}$		
21081660-001A (180-125935-1)	8/17/21	09:28 Eastern		Water	Ш		Х										1		
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Note: Since laboratory accreditations are subject to change, Eurofins TestA	merica places the ownersh	ip of method, a	nalyte & accre	ditation compli	ance	upon	out su	bcontra	ct labor	atories	. This s	ample s	hipment	is forwar	rded unde	er chain-	i-of-c	custody. If the labor	atory does not currently
maintain accreditation in the State of Origin listed above for analysis/tests/n TestAmerica attention immediately. If all requested accreditations are curre										er instr	uctions	will be p	rovided.	Any cha	inges to a	accredita	ation	n status should be bi	rought to Eurofins
Possible Hazard Identification		-				Sar	mple	Dispo	sal (A	A fee	may t	e ass	essed	if sam	ples ar	e retai	ine	d longer than 1	month)
Unconfirmed							$\square_{R\epsilon}$	eturn 7	o Clie	ent			oosal B			_		ive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2								equire	ments:							
Empty Kit Relinquished by:		Date:			Tir	me:							Metho	d of Shi	pment:				
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Custody Seals Intact: Custody Seal No.: ∆ Yes ∆ No							Cook	r Temp	erature(s) °C [age	19 of	k22 z	2,8	3				
Δ 165 Δ ΝΟ													_	. 0					

Job Number: 180-125935-1

Client: Element Materials Technology

Login Number: 125935 List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Element Materials Technology

Job Number: 180-125935-1

Login Number: 125935 List Source: Eurofins Lancaster Laboratories Env, LLC List Creation: 08/20/21 11:43 AM

List Number: 2 Creator: Hess, Anna

Creator: Hess, Anna		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	



Chain of Custody

MISLWIT

Laboratory 21081660

								0100	1 %	182	1				- 4		1	
	Client Information	1:		Billing Info	rmation:		PO Number:				oject Na	me/N	umber:	Page of				
Company Name:	East Chicago Sa	nitary Dis	trict Same									S-901					Matrix Code	
Contact Name:	Henry Padilla							Quote Num	ber:								DW = Drinking Water	
Address:	5201 Indianap	polis Blvd									Sa	Sampler's Signature					WW = Waste Water GW = Ground Water	
								Required QC Level			٦,						AQ = Aqueous OT = Other	
City, State Zip:	East Chicago	IN 4631	2					Bill Monthly Yes No			17	Shipping Method: UPS / FedEx					SL = Sludge SOL = Solid O = Oil SO = Soil F = Food SW = Swab NG = Natural Gas NGL = Natural Gas Liquid	
Phone Number:	219-391-8466		Ext. 240	Ext:			Si											
Fax Number:																		
E-mail Address:	hpadilla@eastchicage	o.com					Element / Hand / Mail					ál	PW = Produced Water CF = Completion Fluid					
	Which Regulations Apply:				(Rush turn times		tainer	Pres.				Requ	ested	Tests	Comments			
☐RCRA ☐POTW ☐NPDES ☐USDA/FDA ☐RECAP/RISC	☐Drinking Water ☐Distribution ☐Special ☐State ☐Other	5 TAT		will incur a surcharge and must be pre- approved by lab.)		Quantity Type P=Plastic,	Type P=Plastic, G=Glass V=Vial	m l	HCI, HNO3, H2SO4, NaOH, Na2S2O3 CYANIDE 1677	Grease T&SI	*SVOC list		T PHOS COD		Fluoride		Samples Meet Acceptance Policy Yes No	
		ction I	nformation		uan uan pe	19 H G	YA Y	∞ర	9	*Metals	Metall NH3	单	300:	TSS	*As, Cr, Cu, Pb,			
Sample ID/Description		Date	Tir	ne Composite	Grab / Composite Matrix	ā	549	9 9 2	0	ō	1	≥	≥ ±	<u>a</u>	6	=	Mo, Ni, Zn, & Hg, Extra: Co, Sn	
S-901 Gra	ab	8-17-21	9:2	8 Grab	ww	1	Р	NAOH	х								Extra. Co, Sii	
S-901 Gra	ab			Grab	ww	1	G	H2SO4		х							**Carbazole, n-	
S-901 Gra	ab			Grab	ww	1	G	NONE			х						Decane, Fluoranthene, n-Octedecane,	
			1														Phenanthrene, Bis(2EH) Phthalate	
S-901 Co	mposite			Comp	ww	1	Р	HNO3					x				no preservative	
S-901 Co	mposite			Comp	ww	1	Р	H2SO4					×				in metals soffle	
S-901 Co	mposite			Comp	ww	1	G	H2SO4						х			HNO3 added	
S-901 Co	mposite			Comp	WW	2	Р	NONE							х	х	18.21	
	Relinquished by	Date/Time					Rece	ceived by				Date/Time				Composite Sampler: Start Date/Time: 3-/72/9-28		
1 100	· Cardrel	5	3-16							5 67 1020					End Date/Time: 8-18-21 8-20			
2 50	Let De Bost	3									7.18.31/600)					Received at lab on ice?		
3		The state of the s				1000					8	☐Yes ☐No Temp:						
All samples sul	omitted to Element M	laterials Te	chnolo	gy for analysis	are accep	oted on a	a custodi	al basis only	. Ow	nersh	nip of	the mat	erial re	mains	with t	he clie	nt submitting the samples.	
			Eler	nent Materials	Technolo	gy reser	ves the r	ight to return	unus	sed s	ample	e portion	S.				4.3 C FS96-001	

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